Journal of Manufacturing Systems
Vol. 15/No. 6
1996

1996 CONTENTS

Volume 15/Number 1

A Fuzzy Multicriteria Decision-Making Method for Material Selection, T. Warren Liao, v15, n1, pp1-12

An Integrated Design Support Method for Flexible Assembly Systems, Heungsoon Felix Lee, Kathryn E. Stecke, v15, n1, pp13-32

A Fuzzy Logic Based Approach for Pokayoke Stoplight Control in Unmanned Manufacturing Cells, Joseph C. Chen, J T. Black, v15, n1, pp33-42

Optimization Issues in the Calibration of a Multicomponent Robotic Dynamometer, Paolo Brandimarte, Fiorenzo Franceschini, v15, n1, pp43-51

An Integrated Design Strategy for Future Manufacturing Systems, Keith M. Gardiner, v15, n1, pp52-61

Volume 15/Number 2

A DES-Theory-Based Hybrid Supervisory Control System for Manufacturing Systems, R.A. Williams, B. Benhabib, K.C. Smith, v15, n2, pp71-83

An Ultra-Reliable Board Identification System, D. Daniel Sheu, v15, n2, pp84-94

Algorithms for the Minimization of Setups and Tool Changes in "Simply Fixturable" Components in Milling, Sanjay E. Sarma, Paul K. Wright, v15, n2, pp95-112

Accuracy Enhancement of a Horizontal Machining Center by Real-Time Error Compensation, S. Yang, J. Yuan, J. Ni, v15, n2, pp113-124

Applying Kaizen and Automation to Process Reengineering, *Case Study,* JrJung Lyu, v15, n2, pp125-132

Adopting Advanced Manufacturing Technologies: Experience from Spain, Angel Martinez Sanchez, v15, n2, pp133-140

Volume 15/Number 3

Analytical Modeling and Analysis of Flexible Manufacturing Systems Considering System Component Failure/Repair Rates, F.F. Chen, S. Thinphangnga, v15, n3, pp143-154

Determining the Manual Setting Order of Components on PC Boards, Mika Johnsson, Timo Leipälä, Olli Nevalainen, v15, n3, pp155-163

Performance of Deadlock Avoidance Algorithms in Flexible Manufacturing Systems, Maria P. Fanti, Bruno Maione, Saverio Mascolo, Biagio Turchiano, v15, n3, pp164-178

Design Rule Checker for Sheet Metal Components Using Medial Axis Transformation and Geometric Reasoning, Raj Radhakrishnan, Araya Amsalu, Mehran Kamran, B.O. Nnaji, v15, n3, pp179-189

Incorporation of Tool Deflection in Tool Path Computation: Simulation and Analysis, Suk-Hwan Suh, Jung-Hoon Cho, Jean-Yves Hascoet, v15, n3, pp190-199

Nonstochastic Analysis of Manufacturing Systems Using Timed-Event Graphs, Tod Amon, Henrik Hulgaard, v15, n3, pp200-207

Volume 15/Number 4

Multivariate Economic Analysis of Robot Performance Repeatability and Accuracy, Abraham Mehrez, Michael Hu, O. Felix Offodile, v15, n4, pp215-225

Intelligent Dispatching Rules for Trip-Based Material Handling Systems, Yavuz A. Bozer, Chih-kuan Yen, v15, n4, pp226-239

Generative Inspection Process and Probe Path Planning for Coordinate Measuring Machines, P. Gu, K. Chan, v15, n4, pp240-255

A Parametric Contract Modeler for DFM Analysis, M.L. Philpott, C.S. Warrington, E.A. Branstad, R. David, R.P. Nita, v15, n4, pp256-267

Application of Fuzzy Set Theory and Back-Propagation Neural Networks in Progressive Die Design, Zone-Ching Lin, Ho Chang, v15, n4, pp268-281

GAPP: A Generative Assembly Process Planner, Luc Laperrière, Hoda A. ElMaraghy, v15, n4, pp282-293

Volume 15/Number 5

Neural Network Modeling for Tool Path Planning of the Rough Cut in Complex Pocket Milling, Suk-Hwan Suh, Yang-Soo Shin, v15, n5, pp295-304

Performance Standards and Testing of Two-Dimensional Bar Code Systems for Overhead Scanning, Richard E. Billo, Bopaya Bidanda, Yuval Cohen, Chen-Yu Fei, Kimberly L. Petri, v15, n5, pp305-315

Journal of Manufacturing Systems
Vol. 15/No. 6
1996

1996 contents

A Genetic Algorithm for Determining Facility Design and Configuration of Single-Stage Flexible Electronic Assembly Systems, Brett A. Peters, Maheswaran Rajasekharan, v15, n5, pp316-324

ICMESE: Intelligent Consultant System for Material Handling Equipment Selection and Evaluation, Yang-Byung Park, v15, n5, pp325-333

Optimal Inventory Policy Under Different Supplier Credit Policies, Moutaz Khouja, Abraham Mehrez, v15, n5, pp334-339

Tolerance Analysis in Setup Planning for Rotational Parts, Samuel H. Huang, Hong-Chao Zhang, v15, n5, pp340-350

The Facility Layout Problem: Recent and Emerging Trends and Perspectives, Russell D. Meller, Kai-Yin Gau, v15, n5, pp351-366

Volume 15/Number 6

Modeling Reentrant Manufacturing Systems with Inspection Stations, Y. Narahari, L.M. Khan, v15, n6, pp367-378

Feature-Based Machining of Curved Surfaces Using the Steepest Directed Tree Approach, Hee Y. Maeng, Minh H. Ly, Geoffrey W. Vickers, v15, n6, pp379-391

A Neuro-Fuzzy Approach to Select Welding Conditions for Welding Quality Improvement in Horizontal Fillet Welding, Hyeong-Soon Moon, Suck-Joo Na, v15, n6, pp392-403

A Quick Hough Transform Parameter Search Algorithm for Flexible Part Inspection, Jun-Ing Ker, F. Frank Chen, Jiuxiao Lu, v15, n6, pp404-418

A Simulation Study of FMS Tool Allocation Procedures, Kwasi Amoako-Gyampah, Jack R. Meredith, v15, n6, pp419-431

CyberCut: A World Wide Web Based Design-to-Fabrication Tool, Charles S. Smith, Paul K. Wright, v15, n6, pp432-442

Books Reviewed

Design for Excellence, by James G. Bralla, v15, n6, p443, reviewed by Geoffrey Boothroyd, Wakefield, Rhode Island

Industry's Guide to ISO 9000, by Adedeji Bodunde Badiru, v15, n1, p62, reviewed by James N. Hool, Auburn University, Auburn, Alabama

Principles of Computer-Integrated Manufacturing, by S. Kant Vajpayee, v15, n2, p141, reviewed by Serope Kalpakjian, Illinois Institute of Technology, Chicago, Illinois

Production Planning and Inventory Control, by S. Narasimhan, D. McLeavey, P. Billingham, v15, n4, p294, reviewed by Brian K. Paul, Oregon State University, Corvallis, Oregon

Simplicity Wins: How Germany's Mid-Sized Industrial Companies Succeed, by Günter Rommel, Jürgen Kluge, Rolf-Dieter Kempis, Raimund Diederichs, Felix Brück, v15, n1, p62, reviewed by Thomas E. Vollmann, International Institute for Management Development, Lausanne, Switzerland

Systems Approach to Computer-Integrated Design and Manufacturing, by Nanua Singh, v15, n2, p141, reviewed by Keith M. Gardiner, Lehigh University, Bethlehem, Pennsylvania

The complete Abstract, Author, and Keyword Index for Volume 15, 1996, will appear on the SME Home Page *www.sme.org* in December 1996.